

ABSTRACT OF THE DISCLOSURE

An improved structure of a range burner control knob valve shutter by providing in recess on the peripheral of the shutter an air pocket containing a larger port and a smaller port; an oil guide groove being provided to the air
5 pocket which is allowed to move in and out from both edges of an air inlet to the control knob and to protrude from the edge of the air pocket in defining a flow guide profile; the smaller port being provided at a higher position at some position from the oil groove; the outer surface of the shutter being greased before being installed in the range burner control valve to complete the
10 assembly with closed spacing; diluted oil over time being scratched by the edge of the profile and settling down at the very bottom of the groove without blocking the smaller port thus preventing the malfunctioning of mild fires and contamination during combustion.